

SECTION 4
FIELD TEST PIPELINE 25

4. Field Test Pipeline 25

5/31/01 – 6/01/01 (Mobilization)

Mobilization consisted of a seven man Top Coat crew, a Winmar inspector, a Winmar POP engineer, Rosen technicians, BJ Services technicians and the S&J divers. These personell were mobilized on three different vessels, a lift boat, a work boat and a dive support boat. This operation took two days due to inclement weather.

DAY 1-2 (MOBILIZE)



6/02/01 – 6/03/01 (Preparation)

Day three was used to install the testing equipment. The Top Coat crew installed the pig launcher and receivers as well as all of the required hoses. The computer equipment necessary for data recording and the communications equipment was also installed and tested. As per the Winmar flushing procedures the flushing / pressure pump was tested. Durring this test the pump experiecned a seal failure. This failure was not repairable in the field and the pump was disconnected and set aside for return to shore. With the primary pump out of service it was decided that the initial flushing and pigging would be accomplished by usinf the internal pump on the work boat. Durring the latter part of day three the work boat's internal pump was connected to line 25 and the dewatering foam pig was shot. The displaced line 25 water was captured on the receiving end and stored for transport to shore for disposal. Durring this process samples were taken for mineral pattern analysis and oil and grease testing. On day four a second foam pig and a sizing pig were shot. On the evening of day four the replacement flushing / pressure pump arrived on site.

DAY 3-4 (PREPARATION)



6/04/01 (Smart Pigging)

On day five the Rosen technicians determined that line 25 was clean enough to launch the smart pig. The replacement pump was installed by Top Coat personell and the Rosen smart pig was prepared for launch and installed. Around mid day the smart pig was launched and retrieved. Upon retrieval it was discovered that the data recorded by the smart pig was corrupt therefore another launch would have to be performed. Weather reports indicated that tropical storm Allison was building and headed in the site's dirrection so the remainder of day five was spent making preparations for evacuation.

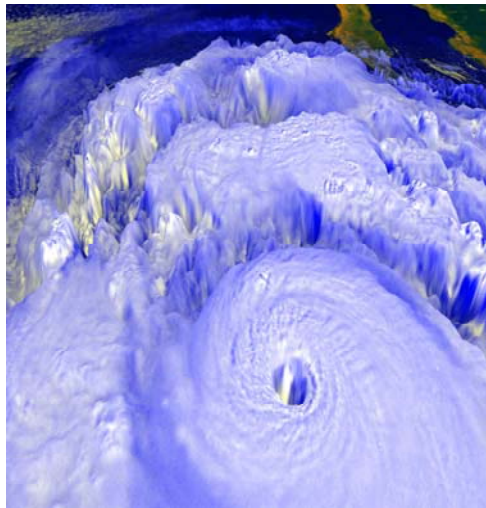
DAY 5 (SMART PIG)



6/05/01 – 6/06/01 (Storm)

An evacuation order was given on day six. All personell and essential equipment were loaded onto the vessels and evacuated to the shore base in Cameron Louisiana. Day seven was spent waiting on tropical storm Allison to pass so that remobilization could take place.

DAY 6-7 (STORM)



6/07/01 – 6/08/01 (Smart Pigging II)

Remobilization was executed early on day eight. The Rosen smart pig was repaired and loaded again for a second launch. With approaching darkness a decision was made to postpone until day nine. On day nine the line was pressured and the Rosen smart pig launched. Upon retrieval of the Rosen smart pig, the data collected was found to be good. Once the lines could be sealed again the pressure testine of line 25 began. The pressure testine was secured late on day nine due to darkness.

DAY 8-9 (SMART PIG)



6/09/01 (Initial Failure)

On day ten, the pressure testine was resumed. Shortly after the testing began it was secured once more due to a mechanical problem with the pressure pump. The pressure pump was repaired in the field and the pressuring of line 25 once more was resumed. At 5000psi a riser flange was found to be leaking so pumping was secured. Durring the evening hours it was decided that on day eleven the riser would be cut and removed. Then the end of line 25 would be lifted so that a weld cap could be installed and pressure pumping could resume.

DAY 10 (FLANGE LEAK)



6/10/01 (Riser Removal)

Day eleven was spent implementing the plan made at the end of day ten. The riser was cut and removed and after an unsuccessful first attempt to lift the pipeline end the end was lifted on the second attempt. A weld cap was then installed and the pressure pump was rigged up to the line.

DAY 11 (RISER REMOVAL)



6/11/01 (Pump To Failure)
Pressurization of line 25 resumed on day twelve. At 11:12 p.m. and 6793 psi line 25 burst. Operations were then secured for the night.

DAY 12 (PUMP TO FAILURE)



6/12/01 (Locate Failure)

On day thirteen, line 25 was pressured in order to locate the failure. The rupture was located at Latitude N29-22-909, Longitude W93-15-867. The dive boat and crew were sent to this location. Once on location divers set a marker bouy at the failure location. The dive crew then cut the failed section and prepared it for recovery. Durring the first attempt to lift the failed section, the dive crew experienced an equipment failure that would require them returning to the shore base for repairs. On this note operations were secured for the night and the dive boat left for repairs.

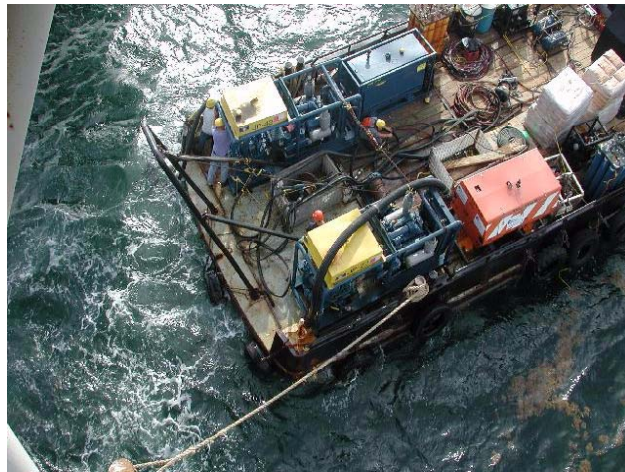
DAY 13 (LOCATE FAILURE)



6/13/01 (Retrieve Failure)

At 2:15 p.m. on day fourteen the dive boat returned, repaired. The dive boat then moved to the failure and set up for the second recovery attempt. At 5:20 p.m. the failed section was recovered and secured on the dive boat. Other non-failure sample sections of line 25 were also recovered for study.

DAY 14 (RETRIEVE FAILURE)



6/14/01

With the failed section and samples secured for transportation to shore, day fifteen consisted of demobilization of the POP project's equipment, vessels and personell.

DAY 15 DEMOB.

